

Amendments to the specification:

The Amendment filed on November 12, 2002, added a "Brief Description of the Drawing" after the first paragraph on page 2 of the specification. Please amend that added section as indicated below.

Brief Description of the Drawings ~~Drawing~~:

Figure 1 illustrates an embodiment of the invention. A layer of liquid crystal alignment material (2) placed on a wall of a liquid crystal cell (1) is exposed to radiation (3) from an oblique direction, as shown by the direction of arrow (5). The radiation is zonewise patterned in zones (6) and (7) by interposing a microelement array, for example prism (4) having opaque mask (8) placed thereon, between the source of radiation and material.

Figure 2 illustrates the alignment of the liquid-crystal molecules. A wall of liquid-crystal cell (1), bearing a layer of liquid-crystal alignment material is exposed to oblique radiation, as shown by the direction of arrow (5). The liquid-crystal molecule (10) under such conditions aligns in the plane (12) defined by the direction of irradiation (5) and by the normal (11) to the layer of liquid-crystal alignment material. The plane (12) thus includes the normal (11) to the layer and the direction of radiation (5). Furthermore, the liquid-crystal molecule shows an imparted tilt (13).

Figure 3 illustrates the alignment of liquid-crystal molecules by means of a microlens array. A layer of liquid-crystal alignment material (2) placed on a wall of the liquid-crystal cell (1) is exposed to radiation (3) from an oblique direction, as shown by the direction of arrow (5). The radiation is zonewise patterned in zones (6) and (7) by interposing a micro-element array, in this example a microlens array (4), between the source of radiation and material.

Figure 4 illustrates the alignment of liquid-crystal molecules by a surface hologram element. A layer of liquid-crystal alignment material (2) placed on a wall of the liquid-crystal cell (1) is exposed to radiation (3) from an oblique direction, as shown by the direction of arrow (5). The radiation is zonewise patterned in zones (6) and (7) by

interposing a micro-element array, in this example a hologram element (4), between the source of radiation and material.

Figure 5 illustrates the alignment of liquid-crystal molecules by an array of micro-mirrors. A layer of liquid-crystal alignment material (2) placed on a wall of the liquid-crystal cell (1) is exposed to radiation (3) from an oblique direction, as shown by the direction of arrow (5). The radiation is zonewise patterned in zones (6) and (7) by interposing a micro-element array, in this example an array of micro-mirrors (4), between the source of radiation and material.